

WHAT IS CLAIMED IS:

1. A peptide derived from X protein of hepatitis B virus which is recognized by cytotoxic T lymphocytes to show cytotoxicity against hepatitis B virus, whose amino acid sequence is represented as (SEQ ID No: 1):

H L S L R G L F V

2. A peptide derived from X protein of hepatitis B virus which is recognized by cytotoxic T lymphocytes to show cytotoxicity against hepatitis B virus, whose amino acid sequence is represented as (SEQ ID No: 2):

V L H K R T L G L

3. A peptide derived from X protein of hepatitis B virus which is recognized by cytotoxic T lymphocytes to show cytotoxicity against hepatitis B virus, whose amino acid sequence is represented as (SEQ ID No: 3):

A M S T T D L E A

4. A peptide derived from X protein of hepatitis B virus which is recognized by cytotoxic T lymphocytes to show cytotoxicity against hepatitis B virus, whose amino acid sequence is represented as (SEQ ID No: 4):

C L F K D W E E L

5. A peptide derived from X protein of hepatitis B virus which is recognized by cytotoxic T lymphocytes to show cytotoxicity against hepatitis B virus, whose amino acid sequence is represented as (SEQ ID No: 5):

E I R L K V F V L

6. A pH-sensitive liposome comprising peptide antigens which is prepared by mixing phospholipid and one or more peptides derived from X protein of hepatitis B virus which are recognized by cytotoxic T lymphocytes to show cytotoxicity against hepatitis B virus in a molar ratio of 5:1 to 25:1.

7. The pH-sensitive liposome of claim 6, wherein the peptide antigen is selected from the group consisting of
10 HLSLRGLFV, VLHKRTLGL, AMSTTDLEA, CLFKDWEEEL and EIRLKVFL.

8. The pH-sensitive liposome of claim 6, wherein the phospholipid contains 50% or more of phosphatidylethanolamine- β -oleoyl- γ -palmitoyl.

9. The pH-sensitive liposome of claim 6, wherein the phospholipid is prepared by mixing phosphatidylethanolamine- β -oleoyl- γ -palmitoyl and cholesterol hemisuccinate in a molar ratio of 6:4 to 8:2.

10. The pH-sensitive liposome of claim 9, wherein the phospholipid is prepared by further comprising upto 1 mole% monophosphoryl lipid A.

11. The pH-sensitive liposome of claim 6, wherein the phospholipid is prepared by mixing phosphatidylethanolamine- β -oleoyl- γ -palmitoyl, phosphatidylethanolamine and cholesterol hemisuccinate in a molar ratio of 3:3:4 to 4:4:2.

12. The pH-sensitive liposome of claim 11, wherein the phospholipid is prepared by further comprising upto 1 mole% monophosphoryl lipid A.

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